

## Patent Abstracts of Japan

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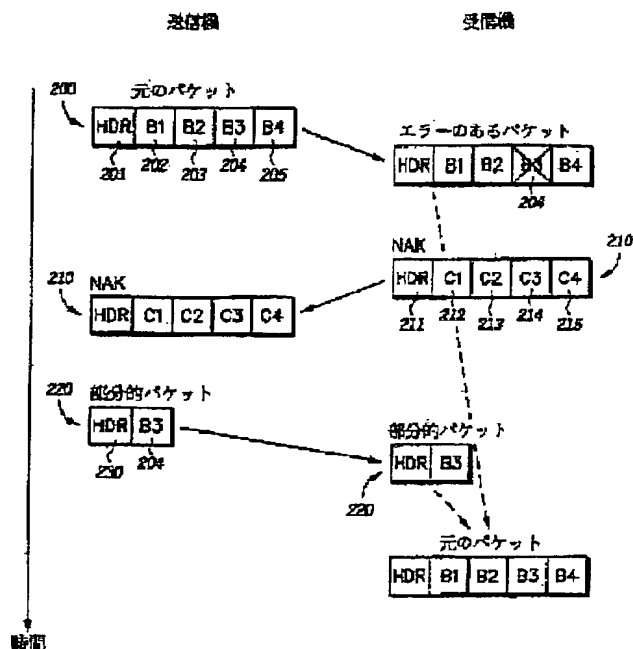
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APPLICANT : MOTOROLA INC;

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TITLE : COMMUNICATION UNIT AND METHOD PROVIDED WITH PACKET ACKNOWLEDGMENT



**ABSTRACT :** PROBLEM TO BE SOLVED: To improve the data transmission efficiency on a wide-range conditions in a packet data communication system.

**SOLUTION:** A communication unit is provided with a packet re-divider and an error detection code generator which can be operated for a data packet 200. A NAK including an error detection code corresponding to sub-parts 202 to 205 of the packet from the packet re-divider is generated to request retransmission of sub-parts of the packet. In a unit on the transmission side, the error detection code is calculated for each sub-part. A second error detection code calculated for each sub-part is compared with a received first error detection code corresponding to the sub-part. A sub-part for which corresponding error detection codes do not match is discriminated as a bad sub-part 204 and is transmitted again.

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